

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Jens Kossmann et al.
Application No. : Not yet assigned Confirmation No. : Not yet assigned
Filed : Herewith
For : PLANTS WHICH SYNTHESIZE A MODIFIED STARCH,
PROCESS FOR THE PRODUCTION THEREOF AND
MODIFIED STARCH
Group Art Unit : Not yet assigned
Examiner : Not yet assigned

New York, New York
December 30, 2003

Mail Stop PATENT APPLICATION
Hon. Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicants make of record the following documents*:

* A completed Form PTO-1449 listing these documents is enclosed. Copies of the cited documents were provided in application number 09/746,390, filed December 21, 2000, from which the instant application is a divisional. Applicants stand ready to provide further copies at the Examiner's request.

United States Patent Documents

5,349,123, Shewmaker et al., issued September 20, 1994

6,013,861, Bird et al., issued January 11, 2000

Foreign Patent Documents

EP 368 506, issued May 16, 1990

WO 92/11375, published July 9, 1992

WO 94/09144, published April 28, 1994

WO 95/07355, published March 16, 1995

WO 95/26407, published October 5, 1995

AU-B-19028/95, published October 17, 1995

Other Documents

Evans et al., "The Effects of Ribozymes on Gene Expression in Plants," Biochem. Soc. Trans., 20, p. 344S (1992).

Konecki et al., "The Primary Structure of Human Chromogranin A and Pancreastatin," J. Biol. Chem., 262(35), pp. 17026-17030 (1987).

Kossmann et al., "Carbohydrate Bioengineering," Progress Biotechnol., 10, pp. 271-278 (1995).

Kull et al., "Genetic Engineering of Potato Starch Composition: Inhibition of Amylose Biosynthesis in Tubers from Transgenic Potato Lines by the Expression of Antisense Sequences of the Gene for Granule-Bound Starch Synthase," J. Genet. & Breed., 49, pp.69-76 (1995).

Mazzolini et al., "Assaying Synthetic Ribozymes in Plants: High-Level Expression of a Functional Hammerhead Structure Fails to Inhibit Target Gene Activity in Transiently Transformed Protoplasts," Plant Molec. Biol., 20, pp. 715-731 (1992).

Napoli et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes in trans," Plant Cell, 2, pp. 279-289 (1990).

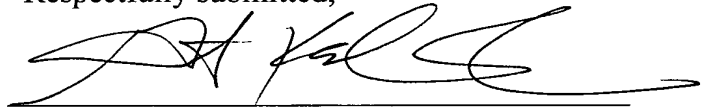
Newman et al., "Genes Galore: a Summary of Methods for Accessing Results from Large-scale Partial Sequencing of Anonymous Arabidopsis cDNA Clones," Plant Physiol., 106, pp. 1241-1255 (1994).

Sonneveld et al., "A Second L-Type Isozyme of Potato Glucan Phosphorylase: Cloning, Antisense Inhibition and Expression Analysis," Plant Molec. Biol., 27(3), pp. 567-576 (1995).

St.-Pierre et al., "The Starch Phosphorylase Gene is Subjected to Different Modes of Regulation in Starch-containing Tissues of Potato," Plant Molec. Biol., 30(6), pp. 1087-1098 (1996).

Applicants request that the cited documents be (1) fully considered by the Examiner during the course of examination of this application, and (2) printed on any patent issuing from this application. Applicants further request that a copy of form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. F. Haley, Jr.", written over a horizontal line.

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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. GFB-5 DIV2 | SERIAL NO. Not yet assigned |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Jens Kossmann and Ruth Lorberth | |
| | | FILING DATE December 30, 2003 | GROUP Not yet assigned |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|----------|---------------------|-------|----------|----------------------------------|
| | 5,349,123 | 09/20/94 | Shewmaker et al. | 800 | 205 | |
| | 6,013,861 | 01/11/00 | Bird et al. | 800 | 284 | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | EP 368 506 | 05/16/90 | EPO | | | | |
| | WO 92/11375 | 07/09/92 | PCT | | | | |
| | WO 94/09144 | 04/28/94 | PCT | | | | |
| | WO 95/07355 | 03/16/95 | PCT | | | | |
| | WO 95/26407 | 10/05/95 | PCT | | | | |
| | AU-B-19028/95 | 10/17/95 | AU | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | |
|---------------------|---|
| | Evans et al., "The Effects of Ribozymes on Gene Expression in Plants," <u>Biochem. Soc. Trans.</u> , 20, p. 344S (1992). |
| | Konecki et al., "The Primary Structure of Human Chromogranin A and Pancreastatin," <u>J. Biol. Chem.</u> , 262(35), pp. 17026-17030 (1987). |
| | Kossmann et al., "Carbohydrate Bioengineering," <u>Progress Biotechnol.</u> , 10, pp. 271-278 (1995). |
| | Kull et al., "Genetic Engineering of Potato Starch Composition: Inhibition of Amylose Biosynthesis in Tubers from Transgenic Potato Lines by the Expression of Antisense Sequences of the Gene for Granule-Bound Starch Synthase," <u>J. Genet. & Breed.</u> , 49, pp.69-76 (1995). |
| | Mazzolini et al., "Assaying Synthetic Ribozymes in Plants: High-Level Expression of a Functional Hammerhead Structure Fails to Inhibit Target Gene Activity in Transiently Transformed Protoplasts," <u>Plant Molec. Biol.</u> , 20, pp. 715-731 (1992). |
| | Napoli et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes <i>in trans</i> ," <u>Plant Cell</u> , 2, pp. 279-289 (1990). |
| | Newman et al., "Genes Galore: a Summary of Methods for Accessing Results from Large-scale Partial Sequencing of Anonymous Arabidopsis cDNA Clones," <u>Plant Physiol.</u> , 106, pp. 1241-1255 (1994). |

EXAMINER

DATE CONSIDERED

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